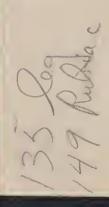
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PLANTS OF THE KARTABO REGION, BRITISH GUIANA

COLL. PROF. I. W. BAILEY, July-August, 1920

No.



HERBARIUM SPECIMENS Collected by I.W. Bailey, July 15-September 2, 1920, Bartica District(at junction of Essequibo, Cuyuni and Mazaruni rivers) British Guiana. (1) 15-VII-20. Cecropia species P(red-leaved variety). Male inflorescence from tree 30 high in second growth, at edge cassava clearing, Barakara. Mature aments cream colored, angular. Young aments greenish, in reddish or reddish brown, pubescent bract. Aments 14-18, occasionally forked. (2) 17-VII-20. Cecropia species P(red-leaved variety). Lale inflorescence from tall tree in old railroad cut, Kartabo. Aments 14-16 with red core. (3) 18-VII-20. Cecropia species P. Seedling 3'high. Cassava clearing, Kartabo. Inhabited by Asteca queens. (4) 18-VII-20. Cecropia species P. Seedlings from cassava clearing, Kartabo. (5) 18-VII-20. Cecropia species P. Small plant 6'high of green leaved variety. Cassava clearing, Kartabo, Inhabited by Astecas. (6) 15-VII-20. Cecropia species P. (Green-leaved variety). Leaf from 20' high tree, second growth, Barakara. Leaves not strongly pubescent when young. Petioles glabrous, green. Tree inhabited by Astecas and Crematogasters. (7) 15-VII-20. Leaf from similar plant as (6). Inhabited by Asteca. (8) 15-VII-20. Leaf from similar plant as (6). Inhabited by Asteca.

(9) 15-VII-20. Cecropia species P. (Red-leaved variety). Leaf from 30' tree second growth, Barakara, Petioles reddish, particularly bases, pubescent. Inhabited by Astecas and stingless bees.

(10) 15-VII-20. Leaf from similar plant. Inhabited by Astecas.

(11) 15-VII-20. Leaf from similar plant as (10). Inhabited by Astecas.

(12) 15-VII-20. Cecropia species D. Leaf from 20' high tree, second growth , Barakara. Petioles green, glabrous, without trichilium. Tree inhabited Crematogasters and Solenopsis.

(13) 15-VII-20. Leaf from similar plant.

(14) 17-VII-20. Cecropia species P. Leaves from "stool shoot", small, slender axis. Railrand cut, Kartabo. Inhabited by Astecas.

(15) 18-VII-20. Cecropia species P. Small plant 3' high. Cassava clearing Kartabo. Inhabited by Asteca queens.

(16) 18-VII.20. Same, plant 6' high. Not inhabited by ants.

(17) 19-VII.20. Cecropia species P. (Red leaved variety). Leaf from small plant 6' high. Cassava clearing, Kartabo. Inhabited by Astecas.

· (18) 22-VII.20. Pourouma guianensis ? Leaf from tree 17' high. Trail, near Kartabo, in second growth forest.

- V(19) 22-VII-20. Pourouma guianensis ?. Leaves from seedlings few feet high.
 Trail in second growth near Kartabo.
- $\sqrt{(20)}$ 22-VII-20 Leaf from plant similar to (18).
- (21) 30-VII-20. Inga species? Leaf from low shrub, cassava clearing, Kartabo. Visited by Camponotus and Ectotoma.
- √(22) 30-VII-20. Inga species ? Leaf from low skrub, cassava clearings and trails, Kartabo. Visited by Camponotus & Ectotoma.
- (23) 28-VII-20. Inga species ?. Leaf from low shrub, cassava clearing, Kartabo. Extrafloral nectaries visited by various ants.
 - (25) 1-VIII-20. Triplaris surinamensis or Schomberkiana? Twig from small tree, inundated banks of Cuyuni river below Kamaria Falls. Trees with light grey bark. Common name "Long John". Inhabited by Pseudomyrma.
- (24) 28-VII-20. Inga species ?. Leaf from low shrub. Cassava clearings and trails. Kartabo. Extrafloral nectaries visited by various ants.
- (26) 1-VIII-20. Twig from plant similar to (25).
- (27) 28-VII-20.Leaf from low shrub growing along trails in second growth , Kartabo. Not inhabited by ants but resembles (28).
 - (23) 3-VIII-20. Tachigalia species? Seedlings from trail near Kartabo. without
 - (29) 3-VIII-20. Same. Young plants having leaves with domatia. Trail in second growth, Kartabo.
 - (30) 3-VIII-20. Same Young plant having leaves with domatia. Trail in second growth, Kartabo. Damatia inhabited by ants, beetles, Etc.
 - (31) 5-VIII-20. Same Leaf from xxxxxxxx sapling, 10-20' Righ. Second growth forest, Kartabo. These shade plants are very tall and slender.
 - (32) 3-VIII-20. Same. Leaf with domatium from young plant. Trail, Kartabo.
 - (33) 3-VIII-20. Same Leaf from plant similar to (32).
 - (34) 27-VII-20. Same. Leaf from 16' high sapling, second growth forest, Kartabo. Inhabited by ants and beetles.
 - (35) 20-VII-20. Leaf from 30' dominant tree, second growth forest, Kartabo.
 - (36) 19-VII-20. Leaf from branching, dominant tree, 25' high, second growth forest, wartabo. Inhabited by Pseudomyrma.
 - (37) 30-VII-20. Myrmecophyte. Leaf from small tree overhanging creek. Inundated ground, just off Cuyuni river. Dried chestnut-like fruit in box.
 - (38) 26-VII.20: Tococa guianensis? Shrub few feet, road through virgin forest, Kalakoon.

- (39) 20-VII-20. Cordia species? Leaves from low shrub. Open second growth forest, Kartabo.
- (40) 1-VII-20. Cordia species ?. Plant 6' high, island in Cuyuni, below Kamaria Falls. Inhabited by vigorous colony of Allomerus but being defoliated by Atta.
 - (41) 26-VII-20. Cordia species? Leaves from low tree, second growth forest Kartabo.
- (43) 26-VII-20. Corkwood. Small leaf from tall tree, mora swamp, Kartabo. Normal leaves much larger, entire or with one or two lobes. The Anatomical material.
 - (42) 26-VII-20. Cordia species ?. Low plant from trail virgin forest near Kartabo.
 - (44) 2-VIII-20. Liana pulled from tall tree. Second growth forest, Kartabo.
 Anatomical material L.10.
 - (45) 2-VIII-20. Liana pulled from tall tree, second growth forest, Kartabo. Anatomical material L.6.
- √ (46) 2-VIII-20. Bauhinia species ("monkey ladder") from tall tree, second growth, Kartabo. Anatomical material L.15.
- (47) 2-VII-20 Liana pulled from tall tree, second growth forest, Kartabo.
 Anatomical material L.14.
- V(48) 2-VIII*20. Bauhinia species. Liana pulled from tall tree, second growth Kartabo. Anatomical material L.13.
- /(49) 2-VIII-20. Bauhinia species. Liana pulled from tall tree, second growth Kartabo. Anatomical material L.12.
 - (50) 2-Viii-20. Liana pulled from tall tree, second growth, Kartabo. Anatomical material L.8.
 - (51) 2-VIII-20. Liana from small tree banks of Cuyuni, Kartabo. Anatomical material L.11.
- v(52) 2-VIII-20. Liana pulled from tall tree second growth, Kartabo. Anatom. material L.2.
- √(53) 2-VIII-20. Liana pulled from tall tree second growth, Kartabo. Anatom. material L.1.
- √(54) 2-VIII-20.Liana pulled from tall tree, second growth, Kartabo. Anatom. material L.?
- √(55) 2-VIII-20.Liana pulled from tall tree, second growth, Kartabo. Anatom. material L.3.
 - (56).2-VIII-20. Liana pulled from tall tree, second growth, Kartabo. Anatom. material L.4.
- √(57) 10-VIII-20. Vismia macrophylla ("Oralli" or "Bloodwood"). Tree 30' high, margin of trail in second growth forest, Kartabo. Compare (63)

- ν (58) 10-VIII-20. Tree 25' high margin trail in second growth, <u>Kartabo</u>.

 Flowers born on stout branches. Petals pink under, white upper, surface.
- (59) 10-VIII-20. Low shrub, trail second growth forest, Kartabo.
- √(60) 10-VIII-20 Shrubs 6-15'high along trails, second growth, Kartabo.
 - (61) 10-VIII-20. Liana growing in small tree, margin trail second growth Kartabo. Flowers yellow.
- (62) 10-VIII-20. Shrubs 6-15'high, trails second growth, Kartabo.
- (63) 10-VIII-20. Vismia macrophylla H.B.K. from tree similar to (57).
- √(64).10-VIII-20.Low shrubs along trail second growth forest, Kartabo.
- (65).10-VIII-20.Large shrubs along trails second growth, Kartabo.
- (66).10-VIII-20.Low shrubs along trails second growth, Kartabo.
 - (67).10-VIII-20.Tall tree 60-70'high second growth Kartabo. Anatomical material, ring of bast imbedded in xylem. Compare (124).
 - (68).10-VIII-20.Low shrubs trails and old cassava clearing, Kartabo.
- √ (69).10-VIII±20.Same.
- /(70) 10-VIII-20.Low shrubs margins openings and trails second growth, <u>Kartabo</u>.
- (71) 10-VIII-20.Low trees on inundated muddy land margins of creeks, Cuyuni watershed, Kartabo. Fruit in alcohol.
- √(72) 11-VIII-20.Sipanea pratensis ?. "Mazaruni star or daisy" common weed camp clearing Kartabo.
- √(73).ll-VIII-20.Low shrub.Common weed in camp clearing, Kartabo.
- √(74).11-VIII-20.Low shrub, common weed in camp clearing, Kartabo.
- √(75).ll-VIII-20.Low shrub, common weed camp clearing, Kartabo. Spermacoce verticillata ?.
- V(76).11-VIII-20.Low shrub, camp clearing Kartabo.
- (77) 11-VIII-20.Low shrub, camp clearing, Kartabo.
- /(78) 11-VIII-20. Low shrub, camp clearing Kartabo.
- (79) 11-VIII-20. Shrub few feet high, camp clearing Kartabo.
- (80) 11-VIII-20. Shrub few feet high, camp clearing Kartabo.
- √(81) 11-VIII-20. Shrub few feet high, camp clearing Kartabo.
 - (82) 11-VIII-20. Shrub with long slender branches, wargin trail, second growth, Kartabo.

- v (83) 11-VIII-20. Small slender shrub, cassava clearing Kartabo.
- √ (84) 11-VIII-20.Large shrub, cassava clearing, Kartabo.
 - (85) 11-VIII-20. Small tree, Cassava clearing Kartabo.
 - (86) II-VIII-20. Material from plant similar to (85).
- (87) 11-VIII-20. Tree 20/high, clearing in second growth, Kartabo.
- (88) 11-VIII-20. Material from tree similar to (87).
- √(89) 11-VIII-20. Tree 25' high edge clearing, second growth, Kartabo.
- √(90) 11-VIII-20.Large shrub with long slender branches. Edge clearing, second growth, <u>Kartabo</u>.
- (91) 11-VIII-20. Shrub growing in trail second growth, Kartabo.
- (92) 11-VIII-20. Shrub growing in trail second growth, Kertabo.
- √(93) 11-VIII-20. Small tree, margin trail second growth forest, Kartubo.
- √(94) 11-VIII-20.Large shrub, margin trail second growth forest Kartabo.
- (95) 11-VIII-20. Shrub growing in cassava clearing, Kartabo.
- (96):11-VIII-20. Small tree growing in mora swamp, Kartabo.
- (97).11-VIII-20. Large shrub, cassava clearing, Kartabo.
- √(98) 11-VIII-20. Tree in abandoned cassava clearing, Kartabo.
- /(99) 11-VIII-20. Shrub growing cassava clearing, Kartabo.
- (100) 11-VIII-20. Small tree, cassava clearing, Kartabo.
- (101) 12-VIII-20. Tree 15-20'high, flat swampy land banks Cuyuni, Kartabo.
- √(102) 12-VIII-20. Small tree with slender branches, banks Cuyuni, Kartabo.
- (103) 12-VIII-20. Liana growing aliong banks of Cuyuni river, Kartabo.
- (104) 12-VIII-20. Small, slender climber, Swampy banks of Cuyuni river, Kartabo.
- √(105) 12-VIII-20. Small mangroves 15'-20'high, sandy banks of Cuyuni river, Kartabo. Also leaves of seedling. Rhizophora. Anatomical material.
- 106) 12-VIII-20. Tree 25-35 high, sandy inundated beach Cuyuni river, Kartabo.
- √(107) 12-VIII-20. Small tree, bank Cuyuni river, Kartabo.
- √(108) 13-VIII-20. Small trees banks Cuyuni river, Wartabo. Compare (173)
- √(109) 13-VIII-20.Tall herbaceous plant, clearing in second growth, Kartabo.

- (110) 14-VIII-20. Epiphytic plant from ant-garden. This is one of the most typical of the ant-garden plants. Kartabo. Codonanthe?
- (1111) 14-VIII-20. Small tree, clearing in second growth, Kartabo.
- (112) 15-VIII-20. Nectandra Species ("Silver balli") or "yellowwood". Sapling in second growth forest, Kartabo. Anatomical material.
- /(113) 17-VITI20. Vismia guianensis ("Small leaved bloodwood") or "Oralli". Small tree clearing in second growth, Kartabo. Anatomical material.
- √(114) 17-VIII-20. Material from tree similar to (113).
- √(115) 17-VIII-20. Humiria floribunda Mart.? ("Touroniro" or "Bastard Bullet tree".) Small tree clearing in second growth, Kartabo. Anatomical material.
- / (116) 17-VIII-20. Large leaved aroid from stem large tall tree, second growth, Kartabo. Leaf about one half normal size, Flower axis in alcohol. Anatomical material.
- √ (118) 17-VIII-20. Monstera species ? Leaf abnormally small. Climbing on tall trees, second growth, Kartabo. Inflorescences in alcohol.

 Anatomical material.
- /(117).17-VIII-20.Epiphytic aroid from trees second growth, Kartabo.
 Anatomical material.
- (119).17-VIII-20. "Waramia". Tall tree second growth, Kartabo.
- √(120).18-VIII-20. Guarea trichiliodes L. "Karaba-balli". Large trees in second growth, Kartabo.
- /(121) 16-VIII-20. Shrub several feet high, Banks Mazaruni above <u>Kartabo</u>. Also in clearings.
- (122) 16-VIII-20. Shrub or small tree, sandy banks of Mazaruni, Kartabo.
- (123) 16-VIII-20. Shrub several feet high, sandy banks of Mazaruni, Kartabo.
- √(124) 18-VIII-20. Vochysia tetranhylla ? "Iteballi". Tæll trees second growth Kartabo. Anatomical material. Miss faylor No. 51
- (125) 19-Viii.20. Small trees banks of Mazaruni and Cuyuni rivers, Kartabo.
 - (126) 19-VIII-20. Small trees banks of Cuyuni, Kartabo.
 - (127).19-VIII-20. Small trees banks of Cuyuni, Kartabo.
 - (128).19-VIII-20. Marcgravia species G: Banks Cuyuni Kartabo.
- v(129).19-VIII-20.Large shrub or small tree, trail in second growth forest <u>Kartabo</u>. Purple tinge under side leaves, porticularly young leaves.
- (130) 19-VIII-20. Tall trees in second growth forest, Kartabo. Anatomical material.
- √(131) 19-VIII-20. Moronobea coccinea. Tall trees banks of Cuyuni. Kartabo.

- (132).19-VIII-20.Parasitic plant growing on large tree (133).Anatomical material.
- (133).19-VIII-20.Large tree second growth forest, Kartabo. One from which wheeler collected 67 species of ants.
 - (134) 19-VIII-20. Creeper, trail in second growth, Kartabo.
- (135) 20-VIII-20. Tall tree bank Cuyuni, Kartabo.
- (136) 20-VIII-20. Marcgravia species P. Bank Cuyuni Kartabo.
- (137) Sane.
- (138) Same.
- (139) 20-VIII-20. Marcgraviaceous liana with crange vermilion flowers. Common on banks of Cuyuni and Mazaruni, Kartabo. Miss Taylor No. 40.
- (140) 20-VIII-20. Same fruiting plant. Ripe fruit reddish.
- V(141) 20-VIII-20 Large tree with low spreading branches, muddy banks of Cuyuni, Kartabo.
 - (142) 20-VIII-20. Tree with long drooping branches, banks Cuyuni, Kartabo.
- (143) 20-VIII-20. Climbing plant, bank Cuyuni, Kartabo.
- (144) 20-VIII-20. Shrub in trail second growth forest, Kartabo.
- (145).20-VIII-20. Tree 15-30' high second growth, Kartabo. Under surface of leaves beautiful light green.
- /(146) 20-VIII-20. Tree 25' high, trail in second growth forest, Kartabo.
- √(167) 20-VIII-20. Some large leaf. Anatomical material.
- V(148).29-VIII-20. Tree 30'high margin of trail in second growth forest,

 Kartabo. Flowers white, stamens yellow and red. Leaves brownish green
 under surface, dark green upper. Anatomical material.
- ✓(149).20-VIII-20. Trees 35' high margin trail in second growth forest <u>Kartabo</u>. Fruit white-green upper and purplish under surface. Amat. material. Miss Taylor No. 44.
- (150) 21-VIII-20. Pithecolobium latifolium "Waikee" or "Aliku". Large shrub growing on sandy, rocky shore Cuyuni, Kartabo. Flowers lilac.
 - (151) 21-VIII-20. Creeping plant, trails near shore Cuyuni, Kartabo.
- √(152) 21-VIII-20. "Kakreeow" Spreading trees near bank Cuyuni and in trails clearings, Kartabo. Fruit very dark purple or black. Compare (202)
 - (153) Same. Leaves from similar plant as (152).
 - (154) 22-VIII-20. Creeper growing trails and second growth, Kartabo. Flowers blue.
- (155) 23-VIII-20. Small erect shrub, growing trails and openings forests, Kalakoon. Bracts vermilion, flowers yellow, fruit blue. Compare Miss Taylor No. 3.

- √ (156) 22-VIII-20. Small tree, bank Mazaruni. Kartabo. Fruit orange vermilion.
 - (157) 23-VIII-20. Creeper, openings in second growth forest, Kalakoon.
 - (158) 23-VIII-20. Same. Flowers yullow.
- (159) 23-VIII-20. Creeper, on bushes, Kalakoon. Flower: tube lemon yellow, petals lilac on inside.
 - (160) 23-VIII-20. Trees 20-30 high second growth Kalakoon. Compare Niss Taylor No. 22.
- (161) 23-VIII-20. Low shrub, forest floor (second and virgin forests) and along trails, Kalakoon. Flowers green, fruit red and blue.
 - (162) 23-VIII-20. Scrambling vine, on ground, along trails virgin forest Kalakoon. Flowers white. Compare Miss Taylor No. 26.
- √(163) 23-VIII-20.Small shrub, Clearing Kalakoon. Stem and petioles wine colored, flowers tinged with same. Stamens yellow.
- (164) 23-VIII-20. Vine growing tall trees or shrubs, road through forest, Kalakoon. Flowers purple. Compare Miss Taylor No. 34.
 - (165) 23-VIII-20. Tall shrub trail in virgin forest, Kalakoon. Tococa guianensis? Stamens yellow, axis inflorescence reddish.
 - (166) same.
 - (167) same.
- (168) 23-VIII-20. Low shrub, rusty, pubescent . Trails Kalakoon. Flowers white.
- √(169) 23-VIII-20.Medium sized shrub.Clearing <u>Kalakoon</u>.Light lilac flowers.
- $\sqrt{(170)}$ 23-VIII-20. Shrub, clearing <u>Kalakoon</u>. Fruit red and green.
- √(171) 23-VIII-20.Liana, clearings and banks rivers, Bartica District. Flowers yellow and red. Wings of Samaras crimson.
- (172) 22-VIII-20 Trees 20-30 high banks Mazaruni, Kartabo. Leaves three in whorl, flowers cream coloned, red within.
- √(173) 26-VIII-20. Tree bank Cuyuni near Kartabo, similar to (108).
- ~(174) 26-VIII-20. Small plants growing shapy soil clearings, Kartabo.
- (175) "Love and follow me" specimen from Rodway.
- v(176) 26-VIII-20. Small tree with drooping branches, clearing, Kartabo.
- (177) 21-VIII-20. Parcgravia species G. Vines from banks Cuyuni, Kartabo. Three stages in the development of inflorescences.
 - (178) 21-VIII-20. Same. Banks of Mazaruni, Kartabo.

- (179) 21-VIII-20. Marcgravia species P. Vines from banks Mazaruni, Kartabo.
- (180) 26-VIII-20. Epiphytic plant from ant garden, clearing in second growth, Kartabo. Succulent, light green leaves, petioles cream colored or light green.
 - (181) 26-VIII-20. Another succulent epiphytic plant from same ant garden, stem and petioles vinous red, red midrib under surface of leaf. Flowers cream or light yellowish white. Leaves thick, succulent.
 - (182) 26-VIII-20. Succulent epiphytic plant from same ant garden. Young leaves purplish, old leaves green except midrib.
- (183) 27-VIII-20. Small trees banks of Cuyuni, Kartabo Compare ().
- √(184) 27-VIII-20. Epiphytic plant from ant garden, creek flowing into Cuyuni, Kartabo. Leaves succulent, light green, thick, no tinge red.
- (185) 27-VIII-20 Liana growing over creek, Cuyuni, Kartabo. Flowers purple, yellow center. Covered Dolichoderus rugosus Em.
 - (186) Same leaves.
 - (187) same. Flower axis.
 - (188) 27-VIII-20. Small tree hanging over creek, Cuyuni watershed, Kartabo. Leaves and fruit green.
 - (189) Same clasping branches of.
 - (190) 27*VIII-20. Epiphytis succulent from ant garden, creek Cuyuni watershed, Kartabo. Leaves very thick and succulent. Purplish under surface.
 - (191) 21*VIII-20. Marcgravia Species G. Vines growing banks Mazaruni, Kertabo. Three stages in development of fruit.
 - (192) 22-VIII-20. PANG. Tranger (OF, managraria species Mature leaves).
 - (193) 24-VIII-20 Same. Clasping branch of . Banks Cuyuni, vartabo.
 - (194) 21*VIII-20 Same as (191), two additional stages fruit.
 - (195) 22-VIII-20 Marcgravia species P. Vines growing banks Mazaruni, Kartabo. Leaves abnormally narrow.
 - (196) 27-VIII-20. Succulent epiphytic plant from ant garden. Tree overhanging "Cowri" creek, Cujuni watershed, Kartabo. Leaves very thick.
- (197) 25-VIII-20 Small tree in mora swamp. Greenish flowers with orange stamens. Kartabo.
- (198) 30-VII-20. Swampy ground, Barakara. Flowers white.
- (199) 29-VII-20. Forest floor, Kartabo. Flowers white or orange.
- √(200) 26-VII-20. Climbing shrub, banks rivers, Kartabo. Flowers June & July.

- ∠ (201) 17-VIII-20 Small trees clearings in second growth, <u>Kartabo</u>.

 Leaves form whorl or crown.24 leaflets. Flowers greenish.
- (202) 15-VI-20. Small specading tree. Flowers fleshcolored or white. Similar to (152).
- (203) 13-VI-20. Liana growing banks rivers, Kartabo. Flowers gright red.
 - (204) 2-IX-20. Tachigalia species. Leaves from suppressed plant, growing in dark jungle. Kartabo. Inhabited by yellow Pseudomyrma.
 - (205) 2-IX-20 Same Vigorous, sun-grown sapling 20'high Railroad embankment, Kartabo Inhabited by Astecas.
 - (206) 2-IX-20 Same. Somewhat larger plant same type as (205). Inhabited by black Pseudomyrma.
- √(207) 2-IX-20 Low shrub growing margin trailiin second growth forest

 Kartabo Lower surface reddish purple, upper green. Fruit green,

 tomentose.

More detailed notes on Tachigalia, Cecropia, Marcgravia, and myrmecophytes.